



Florida Agricultural Statistics Service
1222 Woodward Street
Orlando, Florida 32803
407 / 648-6013

<http://www.nass.usda.gov/fl>

CITRUS

NOVEMBER FORECAST MATURITY TEST RESULTS AND FRUIT SIZE



November 12, 2004

ORANGES REMAIN 176.0 MILLION BOXES

The forecast of all oranges for Florida is maintained at 176.0 million boxes. The Early-mid-Navel category remains at 92.0 million boxes and the Valencia portion is 84.0 million. This forecast is 27 percent less than last season's production and the smallest crop since the 1993-94 season. Other states' forecasts are not open to review or change in November.

Normally, the forecasts for Florida are carried forward from October. Because of the hurricanes experienced in late summer, and at the request of the Florida Citrus Crops Estimates Advisory Committee, the monthly size and drop survey data from October measurements was analyzed for any indication of fruit sizing or droppage other than what was anticipated and projected for the October forecast.

Fruit size measurements in October indicated a slowing of the rate of growth for all oranges, possibly because of the dry weather. As anticipated, droppage was higher in the October measurements because of the lingering effects of Hurricane Jeanne which passed through the State on September 26th.

CITRUS PRODUCTION: November 1, 2004 forecasts by varieties and states, with comparisons

Crop and State	Production			Forecast 2004-05
	2001-02	2002-03	2003-04	
--- 1,000 boxes ---				
EARLY, MIDSEASON, AND NAVAL ORANGES:				
FLORIDA	128,000	112,000	126,000	92,000
California	32,000	42,000	38,000	46,000
Texas	1,530	1,350	1,420	1,650
Arizona	270	200	300	270
Total Above Varieties	161,800	155,550	165,720	139,920
VALENCIAS:				
FLORIDA	102,000	91,000	116,000	84,000
California	19,500	20,000	14,000	16,000
Texas	210	220	230	250
Arizona	250	270	170	170
Total Valencias	121,960	111,490	130,400	100,420
ALL ORANGES:				
FLORIDA	230,000	203,000	242,000	176,000
California	51,500	62,000	52,000	62,000
Texas	1,740	1,570	1,650	1,900
Arizona	520	470	470	440
Total All Oranges	283,760	267,040	296,120	240,340

FORECAST DATES 2004-05 SEASON

December 10, 2004
January 12, 2005
February 9, 2005
March 10, 2005
April 8, 2005
May 12, 2005
June 10, 2005
July 12, 2005

FCOJ YIELD 1.56 GALLONS PER BOX

The FCOJ yield projection remains at 1.56 gallons per box of 42 degrees Brix concentrate. Because of the reduced crop size this season, fewer boxes are expected to be used for FCOJ.

Maturity test results from samples collected and tested the week of October 25th indicate that early oranges are advancing in maturity more quickly than anticipated from earlier indications. Percent acid levels are dropping and Brix is increasing to indicate a ratio of 12.38. The midseason varieties' ratio level is now over 10. Processors indicate harvest will begin sometime in mid-November.

Grapefruit tests indicate lagging Brix levels which are holding ratios below desired levels. Limited harvest for fresh use has started.

CROP PROGRESS

In spite of extensive hurricane losses and damage, citrus trees in most areas are in good condition. Growers are cleaning up debris and opening middles to begin harvest of oranges, grapefruit, and specialty crops. About half of the packinghouses are open at this time.

**FLORIDA CITRUS: Distribution of 2003-04 production and 2004-05
forecast by marketing districts and fruit types**

Fruit type	Indian River		Gulf		Florida SunRidge		State total	
	2003-04	2004-05	2003-04	2004-05	2003-04	2004-05	2003-04	2004-05
--- 1,000 boxes ---								
ORANGES:								
Early-midseason-Navel	7,600	2,700	22,600	26,400	95,800	62,900	126,000	92,000
Valencia	10,800	5,000	30,900	26,900	74,300	52,100	116,000	84,000
Total Oranges	18,400	7,700	53,500	53,300	170,100	115,000	242,000	176,000
GRAPEFRUIT:								
White	11,200	1,400	900	800	3,800	1,800	15,900	4,000
Colored	16,800	3,600	4,000	4,500	4,200	2,900	25,000	11,000
Total Grapefruit	28,000	5,000	4,900	5,300	8,000	4,700	40,900	15,000

**CITRUS PRODUCTION: November 1, 2004
forecasts by varieties and states, with comparisons**

Crop and State	Production			Forecast
	2001-02	2002-03	2003-04	2004-05
--- 1,000 boxes ---				
GRAPEFRUIT:				
FLORIDA-All	46,700	38,700	40,900	15,000
White	18,900	16,200	15,900	4,000
Colored	27,800	22,500	25,000	11,000
Texas	5,900	5,650	5,700	5,900
Arizona	160	130	140	200
California	5,900	5,600	5,400	5,200
Total Grapefruit	58,660	50,080	52,140	26,300
LEMONS:				
California	18,300	24,000	18,000	19,500
Arizona	2,800	3,000	3,000	2,400
Total Lemons	21,100	27,000	21,000	21,900
Limes: Florida	150	^{1/}	^{1/}	^{1/}
Temples: Florida	1,550	1,300	1,400	800
Tangelos: Florida	2,150	2,350	1,000	1,400
K-Early: Florida	30	^{1/}	^{1/}	^{1/}
TANGERINES:				
FLORIDA-All	6,600	5,500	6,500	4,700
Early ^{2/}	4,350	3,000	3,600	2,500
Honey	2,250	2,500	2,900	2,200
California ^{3/}	2,200	2,800	2,700	2,900
Arizona ^{3/}	620	430	690	500
Total Tangerines	9,420	8,730	9,890	8,100

^{1/} No forecast.

^{2/} 2001-02 -- Robinson, Fallglo, Sunburst, and Dancy varieties, Fallglo and Sunburst only beginning in 2002-03.

^{3/} Includes tangelos.

**ESTIMATES OF PRODUCTION
BY MARKETING DISTRICTS**

Production forecasts made for Florida oranges and grapefruit have been divided between marketing districts for this report. These are shown in the table above with the 2003-04 estimates of production for comparisons. Marketing District II is the legally defined Indian River District along the East Coast. Marketing District III includes the Gulf counties of Charlotte, Collier, Glades, Hendry, and Lee. Marketing District I-the Florida SunRidge-includes all other citrus producing counties.

GRAPEFRUIT UNCHANGED

The grapefruit forecasts are unchanged from October. Whites are forecast at 4.0 million boxes and colored varieties at 11.0 million. Grapefruit losses from the hurricanes this summer were extensive with the indicated total 63 percent less than last season's production. The monthly fruit size and drop survey show white sizing rates below average as anticipated but colored sizes continuing on a more normal pattern. Droppage rates as a result of Hurricane Jeanne were higher than normal as anticipated.

SPECIALTY CROPS UNCHANGED

Temple, tangelo and tangerine forecasts are all unchanged from last month. Except for Fallglo tangerines, fruit sizes are remaining slightly smaller than anticipated. Droppage rates as a result of the hurricane in late September are higher in October.

UNADJUSTED MATURITY TESTS: Average of regular bloom fruit from sample groves, 2003-04 and 2004-05 seasons

Fruit type (No. groves) test date	Acid		Solids (Brix)		Ratio		Unfinished juice per box		Solids per box	
	2003-04	2004-05	2003-04	2004-05	2003-04	2004-05	2003-04	2004-05	2003-04	2004-05
	<i>Percent</i>		<i>Percent</i>				<i>Pounds</i>		<i>Pounds</i>	
ORANGES:										
Early (118-120)										
Sep 1	1.21	1.62	9.34	9.31	7.85	5.85	42.70	42.42	3.99	3.95
Oct 1	0.83	1.08	9.69	9.27	11.82	8.73	49.07	48.40	4.75	4.49
Nov 1	0.72	0.81	10.43	9.87	14.77	12.38	50.96	51.70	5.31	5.10
Mid (55-53)										
Sep 1	1.43	1.80	9.35	9.02	6.63	5.11	44.12	42.08	4.13	3.79
Oct 1	1.06	1.26	9.73	9.01	9.39	7.26	49.26	49.93	4.79	4.50
Nov 1	0.88	0.93	10.68	9.52	12.43	10.43	52.31	53.35	5.58	5.08
Late (150-144)										
Sep 1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oct 1	2.01	2.43	8.92	8.64	4.47	3.59	46.28	46.50	4.13	4.02
Nov 1	1.63	1.92	9.55	8.84	5.91	4.64	51.07	50.23	4.88	4.44
GRAPEFRUIT:										
White Seedless (47-43)										
Sep 1	1.54	1.70	9.53	9.58	6.19	5.63	35.12	32.86	3.35	3.15
Oct 1	1.40	1.41	9.78	9.24	7.03	6.56	38.84	38.89	3.80	3.60
Nov 1	1.26	1.28	9.98	9.29	7.97	7.30	42.74	42.89	4.27	3.98
Colored Seedless (42-46)										
Sep 1	1.50	1.66	9.81	9.75	6.55	5.89	34.86	33.90	3.42	3.31
Oct 1	1.33	1.37	10.11	9.45	7.61	6.95	40.07	40.20	4.05	3.80
Nov 1	1.23	1.27	10.39	9.53	8.48	7.52	43.05	43.12	4.48	4.11

Juice and solids per box are unadjusted and not comparable to plant test results.

NOTICE: All samples were run through an FMC 091 machine using mechanical pressure only. This machine utilizes a .040 short strainer and standard 5/8-inch orifice tube. The beam settings are also identical to past tests and no restrictors are used.

MATURITY TEST AVERAGES BY AREAS, NOVEMBER 1, 2004

Fruit type	Groves sampled	Acid	Solids (Brix)	Ratio	Unfinished juice per box	Solids per box
	<i>Number</i>	<i>Percent</i>	<i>Percent</i>		<i>Pounds</i>	<i>Pounds</i>
ORANGES:						
Early						
Indian River Dist.	9	0.90	9.72	10.92	51.97	5.04
Other Areas	111	0.81	9.88	12.50	51.68	5.10
Midseason						
Indian River Dist.	10	0.94	8.93	9.55	53.76	4.80
Other Areas	43	0.92	9.65	10.64	53.25	5.14
Late						
Indian River Dist.	23	1.96	8.65	4.44	50.51	4.38
Other Areas	121	1.92	8.88	4.68	50.18	4.45
GRAPEFRUIT:						
White Seedless						
Indian River Dist.	35	1.28	9.31	7.27	42.76	3.98
Other Areas	8	1.25	9.22	7.40	43.45	4.00
Colored Seedless						
Indian River Dist.	36	1.26	9.48	7.55	43.29	4.11
Other Areas	10	1.32	9.69	7.43	42.48	4.12

FRUIT SIZE COMPARISONS BY TYPES TO PREVIOUS SEASONS

Size frequency distributions developed from the October size survey are shown in the following table. The distributions are by percent of fruit falling within the size range of each 4/5-bushel container. These frequency distributions relate to fruit from regular bloom and exclude summer bloom in all years.

FLORIDA CITRUS: Size frequency distributions from October measurements

Type of fruit and size in 4/5-bushel containers	2002	2003	2004
--- Percent ---			
Early and midseason oranges: (excluding Navels)			
64 and larger	2.2	2.1	0.5
80	11.2	9.4	3.6
100	33.0	29.4	17.5
125	34.2	34.5	37.4
163 and smaller	19.4	24.6	41.0
Navel oranges:			
64 and larger	49.1	70.2	38.7
80	34.6	22.6	38.5
100	12.4	5.8	18.9
125	3.3	1.4	3.3
163 and smaller	0.6	0.0	0.6
Valencia oranges:			
64 and larger	3.1	2.2	0.2
80	18.4	14.1	2.8
100	40.7	38.9	21.8
125	27.0	31.5	38.6
163 and smaller	10.8	13.3	36.6
White seedless grapefruit:			
32 and larger	16.6	12.0	7.2
36	20.0	15.5	16.5
40	22.9	21.1	22.5
48	17.9	17.3	20.2
56	9.2	11.9	13.2
63 and smaller	13.4	22.2	20.4
Colored seedless grapefruit:			
32 and larger	11.9	6.8	5.6
36	15.3	10.0	10.6
40	21.5	18.7	19.3
48	20.3	21.3	20.1
56	12.1	15.4	16.5
63 and smaller	18.9	27.8	27.9
Honey tangerines:			
80 and larger	4.7	4.9	0.3
100	15.0	27.1	6.0
120	30.0	34.1	21.0
176	20.1	13.6	20.5
210 and smaller	30.2	20.3	52.2
Sunburst tangerines:			
80 and larger	11.0	6.8	3.5
100	26.1	20.2	8.8
120	32.6	31.7	19.2
176	16.4	15.9	17.7
210 and smaller	13.9	25.4	50.8
Tangelos:			
80 and larger	23.6	36.9	3.9
100	30.3	29.0	19.6
120	29.5	20.8	27.5
156 and smaller	16.6	13.3	49.0

The charts below describe the relationships of the fruit size measurements with those taken in the previous year. The diameter measurements shown are the minimum values of each eighth inch range, except for the smallest values.

CHART 1: Early and midseason oranges (excluding Navels) size frequency by diameter from October measurements.

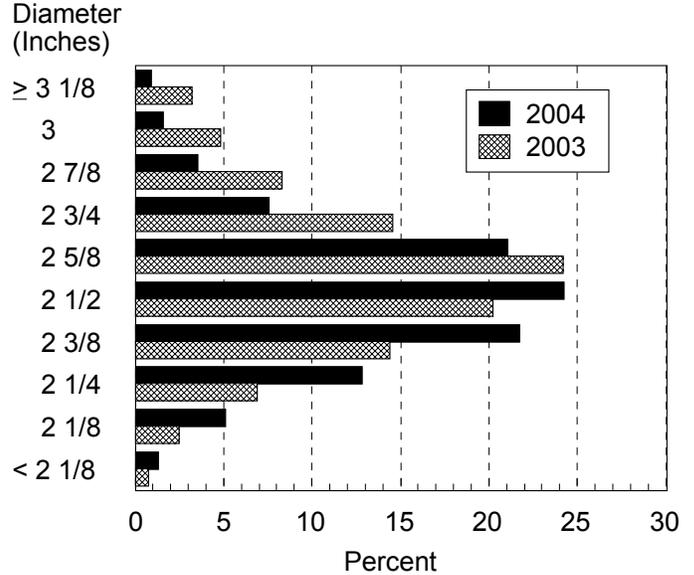


CHART 2: White seedless grapefruit size frequency by diameter from October measurements.

